

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the present application:

1. (Currently Amended) A method, comprising:

within a network storage management server, automatically discovering a plurality of counters counter that collects data describing activity of a plurality of performance objects object within a host offering networked storage services to a set of clients over a network; wherein the performance objects object is a are logical or physical subsystems subsystem of the host;

defining a counter group template for collection of the data describing the activity of the ef performance object objects;

collecting the data for the performance object objects from the counter counters in the counter group template; and

storing outputting the data to into in a file in a storage medium.

- 2-3. (Canceled)

4. (Currently Amended) The method of claim 1, wherein automatically discovering the counters counter comprises automatically discovering the performance objects, object instances of the performance objects object and counters counter associated with the instance of the performance objects object for the host.

5. (Currently Amended) The method of claim 4, further comprising instantiating the selected counters counter based on a predefined mapping of the performance objects object to the counter.

6. (Previously Presented) The method of claim 1, wherein there are two or more counters and there are two or more performance objects, further comprising

storing the collected data for the counters in two or more counter group templates separately for the host.

7. (Previously Presented) The method of claim 1, further comprising receiving a user selected one of a plurality of predefined views, each view defining how to organize the data for presentation.

8. (Original) The method of claim 7, further comprising presenting the data to the user, in accordance with the selected view.

9. (Original) The method of claim 1, wherein the automatic discovering, and the data collecting are performed in parallel.

10. (Currently Amended) A method, comprising:

within a network storage management server, receiving a user selected counter group template defined for at least one a plurality of counters counter, the counters counter collecting data describing activity of one or more a a plurality of performance objects within a host offering networked storage services to a set of clients over a network; wherein the performance object objects are is a logical or physical subsystem subsystems of the host;

instantiating the at least one counter to collect data from the one or more performance objects;

collecting data for the at least one plurality of counters counter; and storing the collected data into a file in to a storage medium.

11. (Previously Presented) The method of claim 10, further comprising receiving a user selected predefined view containing a configuration for how the collected data should be presented.

12. (Original) The method of claim 11, further comprising presenting the collected data based on the predefined view.

13-18. (Canceled).

19. (Currently Amended) A computer readable medium, having stored thereon a sequence of instructions, which when executed by a computer, cause the computer to perform a method comprising:

within a network storage management server, automatically discovering a plurality of counters counter-describing activity of a plurality of performance objects object within a host offering networked storage services to a set of clients a network; wherein the performance object-objects is are a logical or physical subsystem subsystems of the host;

defining a counter group template including counters a counter for the performance objects object;

collecting data for the counters counter in into the counter group template; and storing outputting the data into a file in to a storage medium.

20. (Currently Amended) The computer readable medium of claim 19, wherein automatically discovering the counters counter comprises automatically discovering the performance objects object and the counters counter associated with the performance objects object for the host.

21. (Currently Amended) A computer readable medium, having stored thereon a sequence of instructions, which when executed by a computer, cause the computer to perform a method comprising:

within a network storage management server, receiving a user selected counter group template mapping at least one a plurality of counters counter to at least one a plurality of performance objects object within a host offering networked storage to a set of clients over a network; wherein the performance objects are object is a logical subsystems or physical subsystem of the host;

instantiating the at least one plurality of counters counter to collect data from the performance objects-object;

collecting data for the at least one plurality of counters counter; and
storing the collected data into a file in to a storage medium.

22. (Previously Presented) The computer readable medium of claim 21, wherein the method further comprises receiving a user selected predefined view containing a configuration for how the collected data should be presented.

23. (Canceled).

24. (Previously Presented) The computer readable medium of claim 21, wherein the data is collected at a predefined sampling rate.

25. (Currently Amended) A storage device network storage management server, comprising:

a processor; and

a memory coupled to the processor, the memory storing instructions which when executed by the processor cause the storage device network storage management server to perform a method comprising:

automatically discovering a plurality of counters describing activity of a performance objects object within a host offering networked storage to a set of clients

over a network; wherein the performance objects object is a logical or are physical subsystems subsystem of the host;

defining a counter group template each counter group template including a reference to a counter associated with a performance object;

collecting data for the counters counter in into the counter group template; and storing outputting the data into a file to in a storage medium.

26. (Currently Amended) The storage device of claim 25, wherein automatically discovering the counters counter comprises automatically discovering the performance objects object and the counters counter associated with the performance objects. object.

27. (Currently Amended) A storage device network storage management server, comprising:

a processor; and

a memory coupled to the processor, the memory storing instructions which when executed by the processor, cause the storage device network storage management server to perform a method comprising:

receiving a user selected counter group template defined for at least one a plurality of counters counter, the counters counter collecting data describing activity of a plurality of performance objects within a host offering networked storage to a set of clients in a network; wherein the performance object objects is a are logical or physical subsystems subsystem of the host;

instantiating the at least one counter-counters to collect data from the plurality of performance objects;

collecting data for the counters at least one counter; and
storing the collected data into a file in a storage medium.

28. (Previously Presented) The storage device of claim 27, wherein the method further comprises receiving a user selected predefined view containing a configuration for how the collected data should be presented.

29. (Canceled).

30. (Previously Presented) The storage device of claim 27, wherein the data is collected at a predefined sampling rate.

31. (Currently Amended) A method comprising:

within a network storage management server, using a plurality of counters to monitor the activity of a plurality of performance object objects that is-a are logical or physical-subsystem subsystems of a host offering networked storage services to a set of clients over a network, the countercounters producing data describing the activity of the performance objects-object;

discovering the counters counter-and collecting the data describing the activity of the performance object objects into a counter group template defined to collect the activity of the performance objects-object; and

outputting storing the data to into a file in a storage medium.

32. (Currently Amended) The method of claim 31, further comprising creating a counter group comprising [[a]] the plurality of counters, a sample period, and a sample buffer size.

33. (Previously Presented) The method of claim 31, wherein the sampling is in accordance with the sample period.

34. (Currently Amended) The method of claim 31, further comprising displaying sample data for the plurality of counters counter using a view associated with the plurality of counters counter, the view containing a configuration for presenting the collected data.